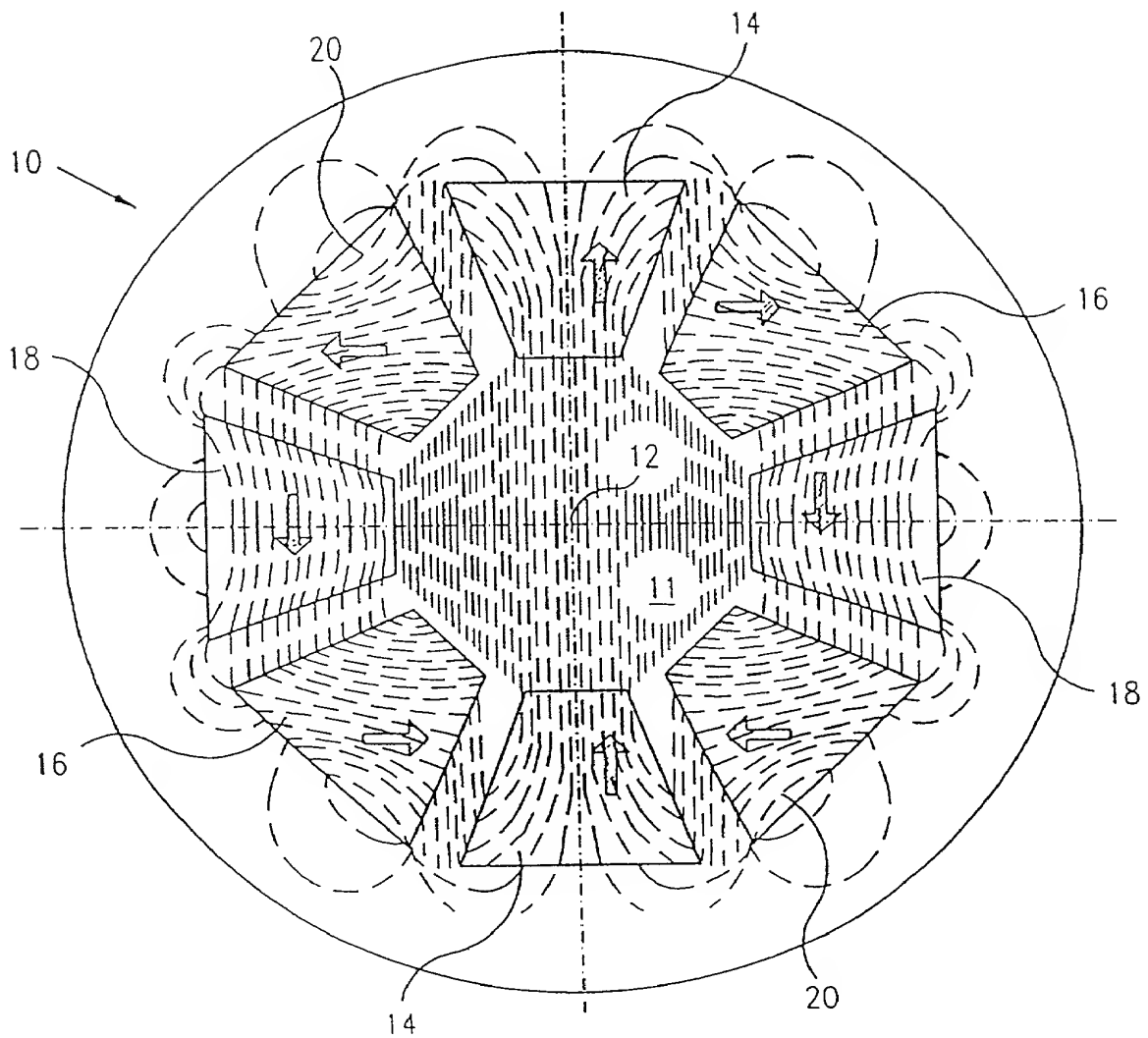


FIG. 1
PRIOR ART



ANSYS 5.6

JUN 29 2000

15:48:46

NODAL SOLUTION

STEP=1

SUB =1

TIME=1

AZ

RSYS=0

SMN =-.0088

SMX =.0088

-.008474
-.007822
-.007171
-.005867
-.005215
-.003911
-.003259
-.001956
-.001304
-.435E-13
.652E-03
.001304
.002607
.003259
.004563
.005215
.006519
.007171
.008474

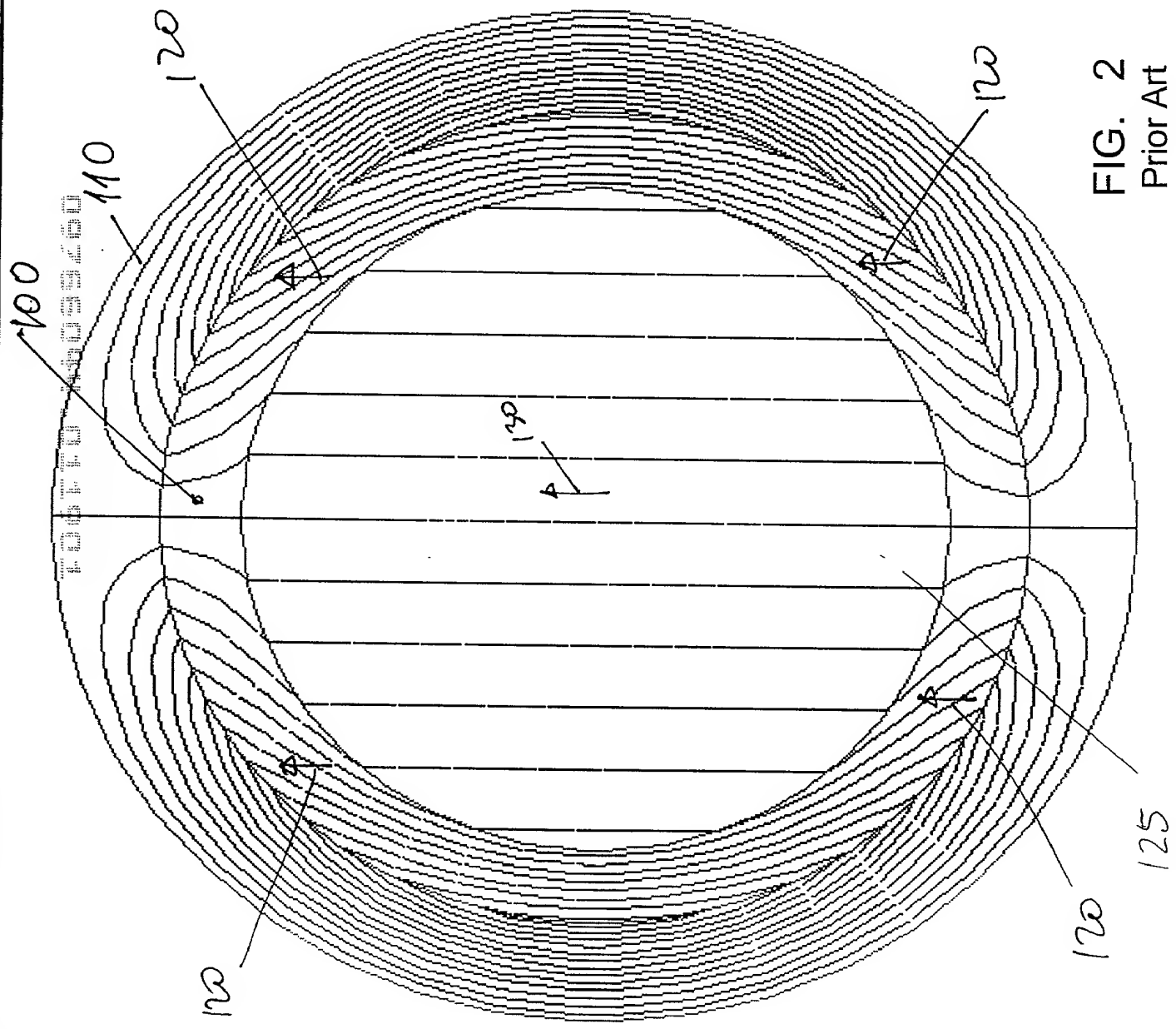
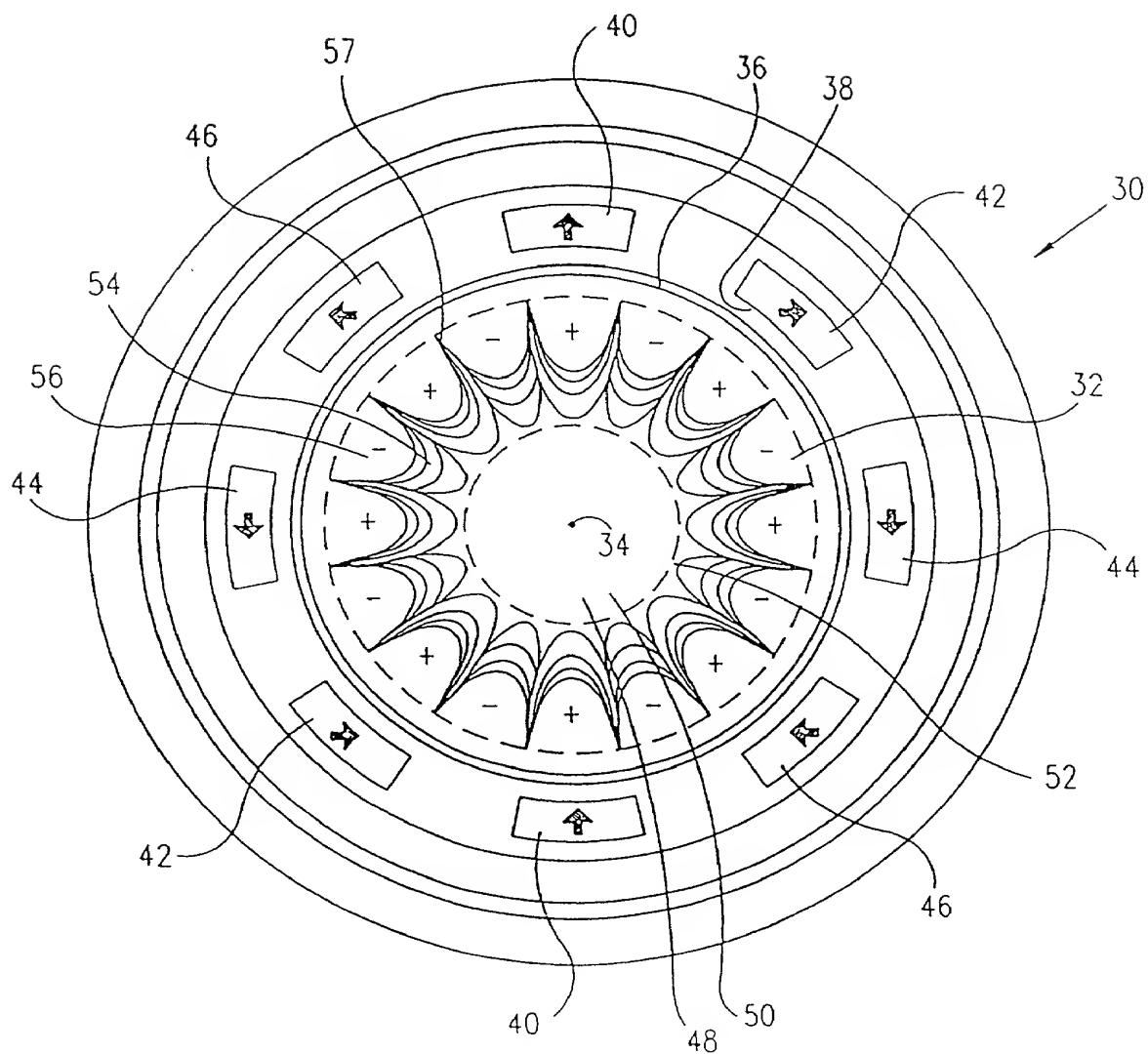


FIG. 2
Prior Art

FIG. 3



Rsa/IRmag ratio vs. Gap Angle @ 8 arch-shaped segments

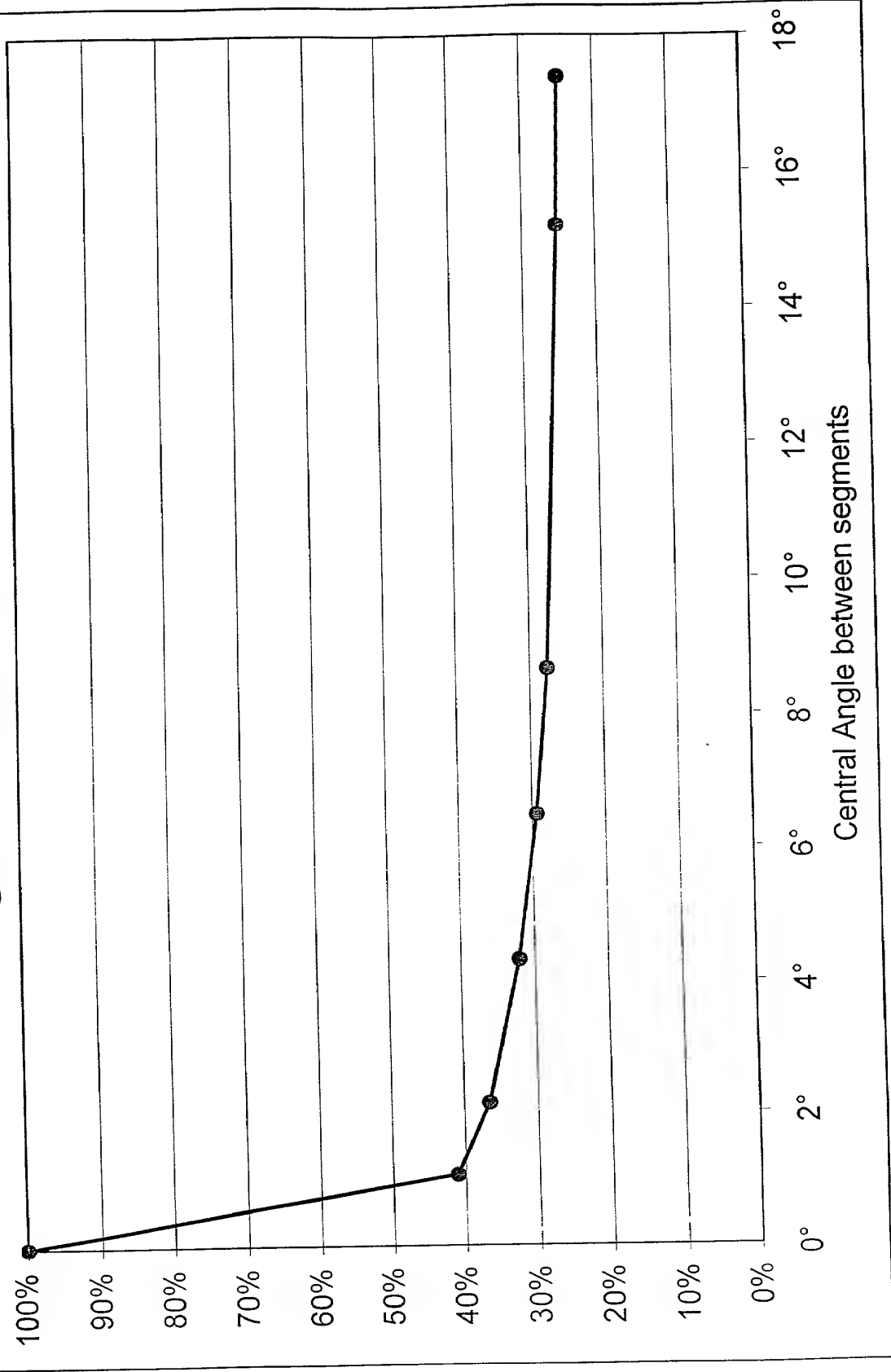


FIG. 5

B0/Br ratio vs. Gap Angle **@ 8 arch-shaped segments**

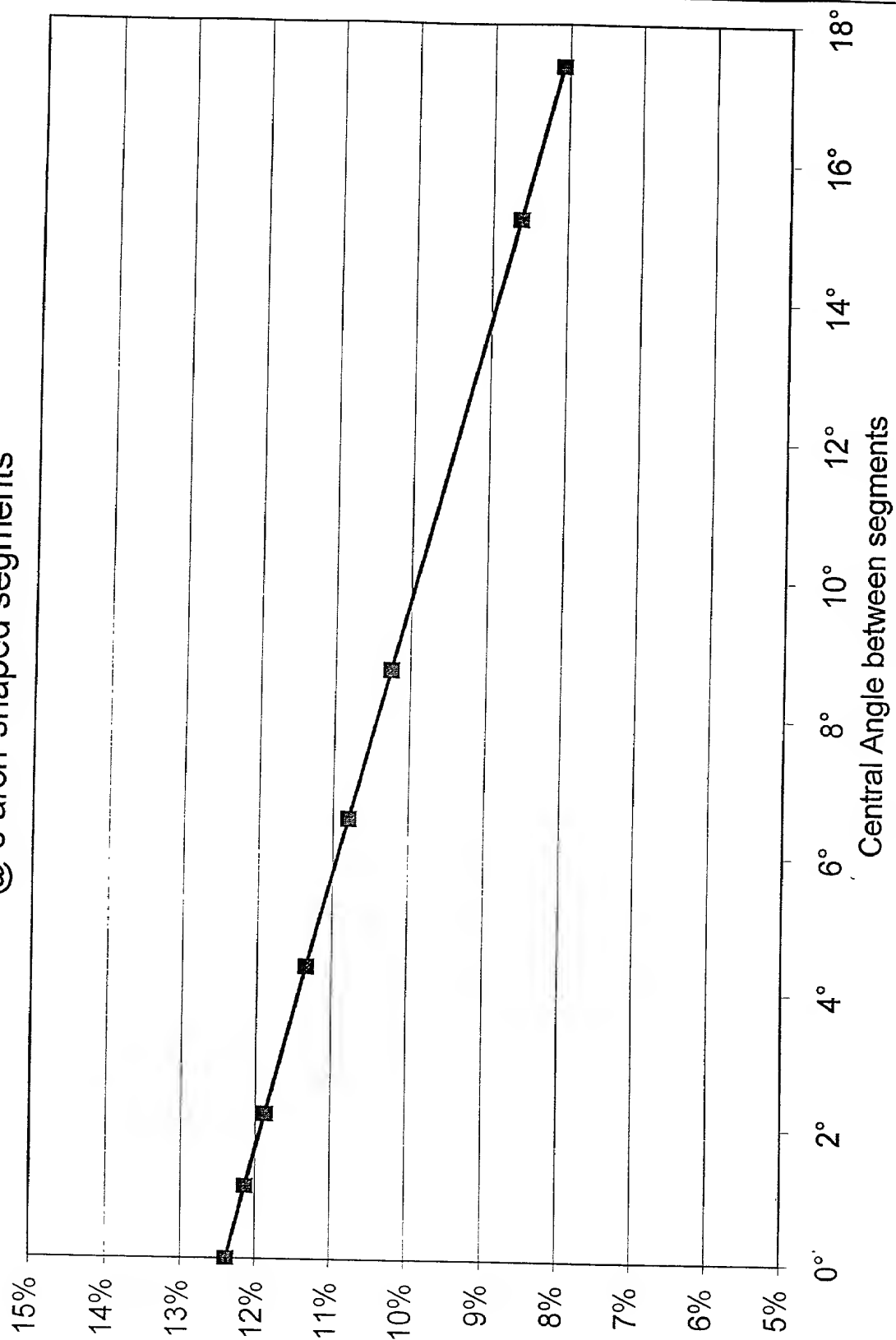


FIG. 6

ANSYS 5.6

JUN 29 2000

13:42:09

MODAL SOLUTION

STEP=1

SUB =1

TIME=1

BSUM (AVG)

RSYS=0

PowerGraphics

EFACET=1

AYRES=Mat

SMN =.001784

SMX =.944143

A =.097469

B =.097591

C =.097714

D =.097836

E =.097959

H =.098326

I =.098448

4 segments $\times 45^\circ$

Gap = 0.07"

FIG. 7

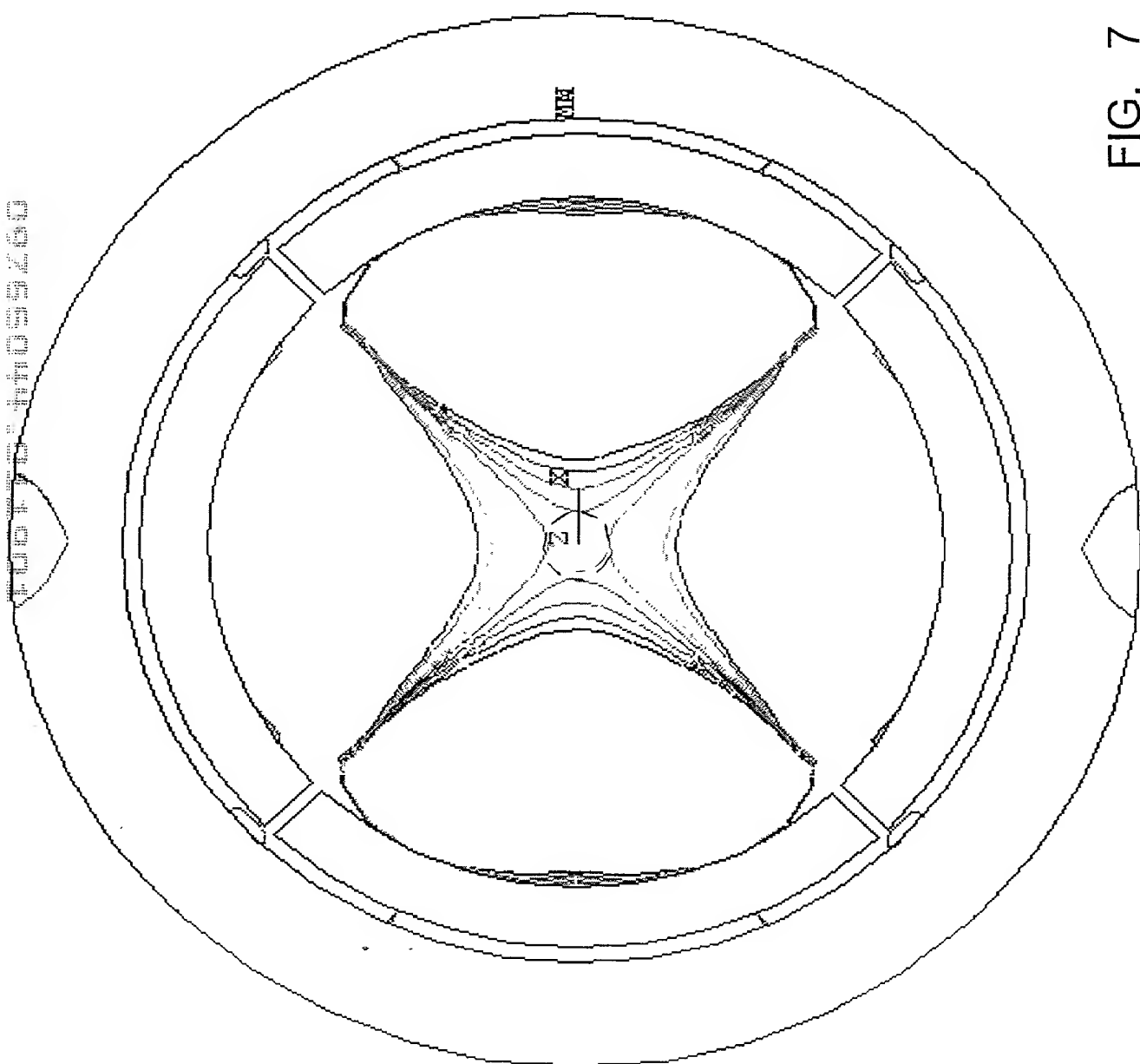
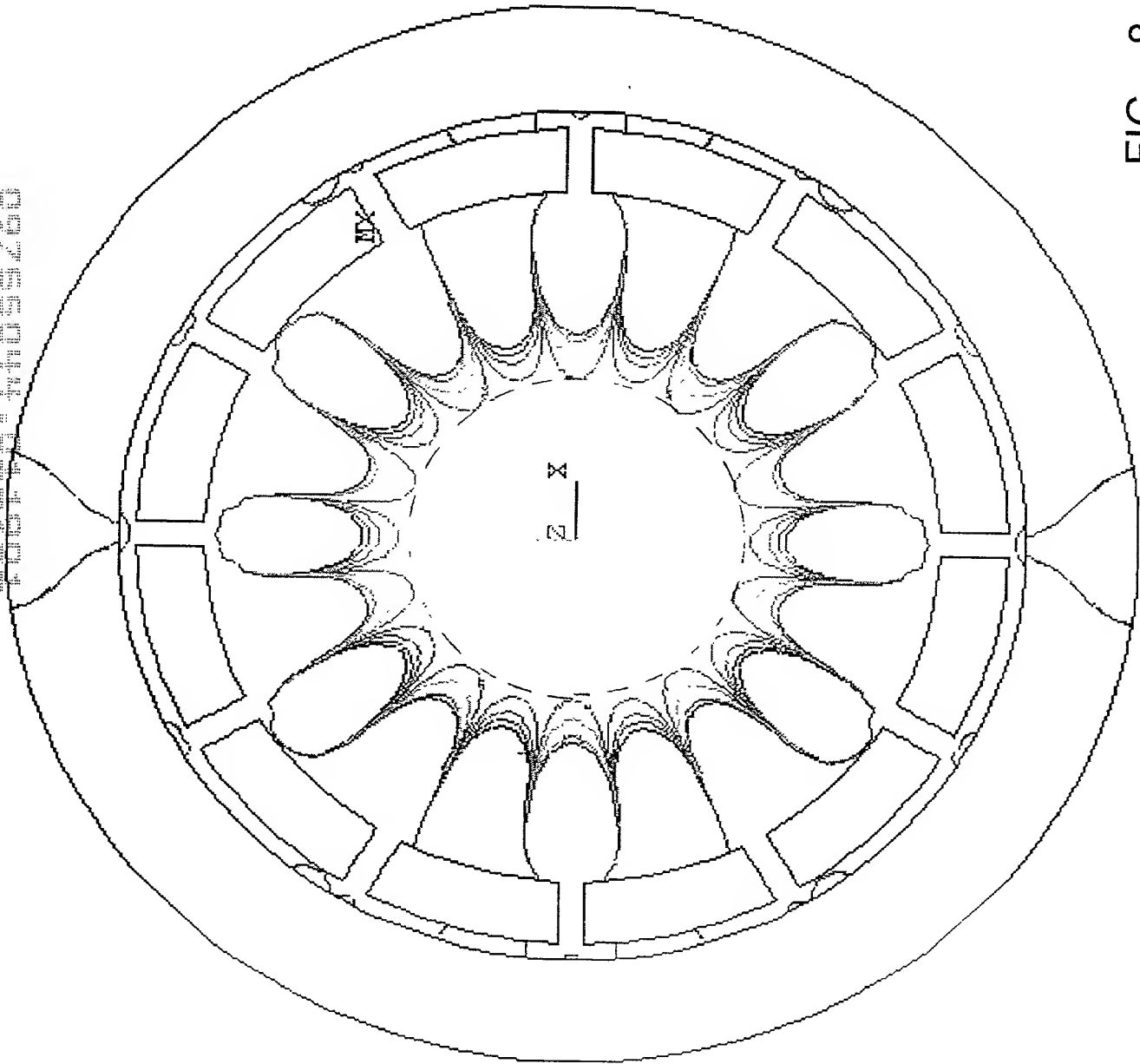


FIG. 7

MM
44099460

ANSYS 5.6
JUN 29 2000
12:15:29
NODAL SOLUTION
STEP=1
SUB =1
TIME=1
BSUM (AVG)
RSYS=0
PowerGraphics
EFACET=1
AVRES=Mat
SMN =.596E-03
SMX =.899355
A =.08683
B =.08694
C =.087049
D =.087158
E =.087267
F =.087377
G =.087487
H =.087594
I =.087703



12 segments
Gap = 0.08"

FIG. 8